E

·	Application No.	Applicant(s)		
Notice of Allowability	10/606,668	HANNULA ET AL.		
	Examiner	Art Unit		
	Eric F. Winakur	3735		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	dication. If not include will be mailed in due	ed course. THIS	
1. \boxtimes This communication is responsive to <u>the RCE and amendance</u>	nent filed 21 November 2005.			
2. X The allowed claim(s) is/are 18-24,26,37,38 and 42-44.				
 Acknowledgment is made of a claim for foreign priority una)	been received. been received in Application No		tion from the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the rec	uirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.				
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) 🗌 hereto or 2) 📋 to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the			back) of	
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 	sit of BIOLOGICAL MATERIAL m FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. N AL MATERIAL.	Note the	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal Pa	atent Application (PT)	∩₋152\	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),	J-102)	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Maii Dati 08), 7. ⊠ Examiner's Amendn	Paper No./Mail Date 7. ⊠ Examiner's Amendment/Comment		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	8. X Examiner's Statement of Reasons for Allowance		
	9. 🔲 Other	9.		

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jila Bakker on 29 December 2005.

The application has been amended as follows:

Claims 25 (inconsistent with the amendment to claim 18 below), 27 - 36 (previously withdrawn), and 41 (canceled in favor of amended claim 44 below) have been cancelled.

Claim 18 has been amended as follows:

18. A pulse oximetry sensor comprising:

a [headcovering] stocking cap;

a substrate disposed on the [headcovering] stocking cap;

an emitter disposed on the substrate;

a detector disposed on the substrate; and

a cable disposed on the substrate, wherein the cable extends from the substrate at an angle not in-line with an imaginary axis extending through the emitter and the detector, and wherein the cable extends through an open portion of the stocking cap configured to be proximate to a top of the stocking cap when the stocking cap is applied to the patient.

Application/Control Number: 10/606,668 Page 3

Art Unit: 3735

Claim 24 has been amended as follows:

24. The sensor of claim 18, wherein the [headcovering] stocking cap comprises a neonatal stocking cap.

Claim 37 has been amended as follows:

37. A headcovering comprising:

a neonatal stocking cap; and

a pulse oximetry sensor, wherein the pulse oximetry sensor comprises:

a substrate;

an emitter disposed on [a] the substrate;

a detector disposed on the substrate; and

a cable disposed on the substrate, wherein the cable [is adapted to extend] extends from the substrate through an open portion of the neonatal stocking cap [that corresponds to] configured to be proximate to a top of [a patient's head] the neonatal stocking cap when the neonatal stocking cap is applied to the patient.

Claim 44 was amended as follows:

- 44. The sensor of claim 37, wherein the cable is secured by [tying] a portion of the neonatal stocking cap [around the cable].
- 1. The following is an examiner's statement of reasons for allowance: As Applicant notes in the remarks filed 21 November 2005, none of the prior art, including Rafert et al., DeLonzor, or Toomim et al., teaches or suggests a stocking cap with an opening

Applicant's amendments and remarks regarding claim 18, but was not persuaded that Toomim et al. was overcome with regard to at least claim 18, as the description of Figure 3 of Toomim et al. per MPEP 2125 indicates that the disclosure of Toomim et al. was sufficient to meet amended claim 18. Further, Elliott teaches an obstetric bonnet that is used with a fetus for assisting childbirth by allowing a medical practitioner to apply frictional and vacuum forces to the fetal head to pull the fetus and may include a sensor that passes through a top portion of the bonnet (Figure 16), but does not teach or suggest an arrangement of a neonatal stocking cap having the claimed structure of an open portion and a sensor. Applicant agreed to incorporate the limitation regarding the open portion into claim 18, as amended above, and to amend claim 37 to clarify the relationship between the open portion and the stocking cap. Claim 44 was amended to avoid product by process language in the claim and to more positively recite the limitation.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric F. Winakur whose telephone number is 571/272-4736. The examiner can normally be reached on M-Th, 7:30-5; alternate Fri.

Art Unit: 3735

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ali Imam can be reached on 571/272-4737. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eric F Winakur Primary Examiner Art Unit 3735

4 January 2006